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July 2009

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2 Access Control for Databases: Concepts and Systems

Eisa Bertino, Gabriel Christo, Ashish Karmakar

January 2011

Foundations and Trends in Databases, Volume 3 Issue 1-2

Publisher: Now Publishers Inc.

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: n/a

As organizations depend on, possibly distributed, information systems for operational, decisional and strategic activities, they are vulnerable to security breaches leading to data theft and unauthorized disclosures even as they gain productivity and ...

3 NFS version 4 Protocol

S. Shepler, B. Callahan, D. Robinson, R. Thurier, C. Beams, M. Eiser, D. Novack

December 2000

NFS version 4 Protocol

Publisher: RFC Editor

Full text available [PDF](#) (450.49 KB)

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NFS (Network File System) version 4 is a distributed file system protocol which owes heritage to NFS protocol versions 2 [RFC1094] and 3 [RFC1813]. Unlike earlier versions, the NFS version 4 protocol supports traditional access while integrating ...

4 Network File System (NFS) version 4 Protocol

S. Shepler, B. Callahan, D. Robinson, R. Thurier, C. Beams, M. Eiser, D. Novack

April 2003

Network File System (NFS) version 4 Protocol

Publisher: RFC Editor

Full text available [PDF](#) (600.99 KB)

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The Network File System (NFS) version 4 is a distributed filesystem protocol which owes heritage to NFS protocol version 2, RFC 1094, and version 3, RFC 1813. Unlike earlier versions, the NFS version 4 protocol supports traditional file access while

5 Communications of the ACM: Volume 51 Issue 7

July 2008

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6 Proceedings of the 14th international conference on Principles of distributed systems

Chenyang Lu, Toshimasa Matsuzawa, Mohamed Mostah

December 2010

OPDIS'10: Proceedings of the 14th international conference on Principles of distributed systems

Publisher: Springer-Verlag

Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count:

7 Online reorganization of databases

Gary H. Rockut, Balakrishna R. Iyer

July 2009

Computing Surveys (CSUR), Volume 41 Issue 3

Publisher: ACM [Request Permissions](#)

Full text available [PDF](#) (866 15 KB)

Bibliometrics Downloads (6 Weeks): 90, Downloads (12 Months): 970, Downloads (Overall): 2767, Citation Count:

In practice, any database management system sometimes needs reorganization, that is, a change in some aspect of the logical and/or physical arrangement of a database. In traditional practice, many types of reorganization have required denying access ...

Keywords Clustering, concurrent reorganization, indexes, log-structured file systems, maintenance, online reorganization, redefinition, reorganization, restructuring, schema evolution, very large databases

8 An Approach for Managing Service Dependencies with XML and the Resource Description Framework

Christian Enslin, Alexander Keller

June 2002

Journal of Network and Systems Management, Volume 10 Issue 2

Publisher: Plenum Press

Full text available [PDF](#) Publisher Site

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

We describe a novel approach for applying XML, XPath, and Resource Description Framework (RDF) to the problem of describing, querying and computing the dependencies among services in a distributed computing system. This becomes increasingly important .

Keywords Dependency Analysis, RDF, Web-based Application Management, XML, XPath

9 Reducing downtime due to system maintenance and upgrades

Shaya Potter, Jason Nish

December 2005 **LISA '05: Proceedings of the 19th conference on Large Installation System Administration Conference - Volume 19**, Volume 19

Publisher: USENIX Association

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Patching, upgrading, and maintaining operating system software is a growing management complexity problem that can result in unacceptable system downtime. We introduce AutoPod, a system that enables unscheduled operating system updates while preserving ...

10 Secure Prolog-based mobile code

Sergi Walluk, Andrew Davison

May 2001

Theory and Practice of Logic Programming, Volume 1 Issue 3

Publisher: Cambridge University Press

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

LogicWeb mobile code consists of Prolog-like rules embedded in Web pages, thereby adding logic programming behaviour to those pages. Since LogicWeb programs are downloaded from foreign hosts and executed locally, there is a need to protect the client

Keywords Prolog, World Wide Web, mobile code security

11 The case of the fake Picasso: preventing history forgery with secure provenance

Rajib Haque, Radu Sora, Marianne Winslett

February 2009

FAST '09: Proceedings of the 7th conference on File and storage technologies

Publisher: USENIX Association

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

As increasing amounts of valuable information are produced and persist digitally, the ability to determine the origin of data becomes important. In science, medicine, commerce, and government, data provenance tracking is essential for rights protection, ...

12 Rule-based workflow management for bioinformatics

S. Ossenry, M. Cattelan, Michael Lynch

September 2005 **The VLDB Journal — The International Journal on Very Large Data Bases** , Volume 16 Issue 3
Publisher: Springer-Verlag New York, Inc.
Full text available: [PDF](#) (428 34 KB)
Bibliometrics Downloads (6 Weeks): 8, Downloads (12 Months): 39, Downloads (Overall): 907, Citation Count: 4

We describe a data-centric software architecture for bioinformatics workflows and a rule-based workflow enactment system that uses declarative specifications of data dependences between steps to automatically order the execution of those steps. A data-centric ...

Keywords: Bioinformatics, Rule-based system, Workflow

- 13 Flight data recorder: monitoring persistent-state interactions to improve systems management**
Chad Verhoeven, Emre Kokman, Arunvijay Kumar, Brad Daniels, Shan Lu, Juhua Lee, Y-Min Wang, Roush Roussey,
November 2006 **OSDI '06: Proceedings of the 7th symposium on Operating systems design and implementation**
Publisher: USENIX Association
Full text available: [PDF](#) (457 56 KB)
Bibliometrics Downloads (6 Weeks): 5, Downloads (12 Months): 34, Downloads (Overall): 187, Citation Count: 7

Mismanagement of the persistent state of a system---all the executable files, configuration settings and other c that govern how a system functions---causes reliability problems, security vulnerabilities, and drives up operat costs. Recent research ...

- 14 A taxonomy of Data Grids for distributed data sharing, management, and processing**
Shrikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao
June 2006 **Computing Surveys (CSUR)** , Volume 38 Issue 1
Publisher: ACM [Request Permissions](#)
Full text available: [PDF](#) (1.70 MB)
Bibliometrics Downloads (6 Weeks): 80, Downloads (12 Months): 666, Downloads (Overall): 6915, Citation Count: 7

Data Grids have been adopted as the next generation platform by many scientific communities that need to sha access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance ...

Keywords: Grid computing, data-intensive applications, replica management, virtual organizations

- 15 Marioposa: a wide-area distributed database system**
Michael Stonebraker, Paul M. Aoki, Witoit Irwin, Avi Pfeffer, Adam Sab, Jeff Sudett, Carl Staelin, Andrew Yu
January 1996 **The VLDB Journal — The International Journal on Very Large Data Bases** , Volume 5 Issue 1
Publisher: Springer-Verlag New York, Inc.
Full text available: [PDF](#) (172.75 KB)
Bibliometrics Downloads (6 Weeks): 15, Downloads (12 Months): 126, Downloads (Overall): 849, Citation Count: 7

The requirements of wide-area distributed database systems differ dramatically from those of local-area network systems. In a wide-area network (WAN) configuration, individual sites usually report to different system administrators, have different access ...

Keywords: Autonomy, Databases, Distributed systems, Economic site, Name service, Wide-area network

- 16 Efficient access to many small files in a filesystem for grid computing**
Douglas Thain, Christopher Morati
September 2007 **GRID '07: Proceedings of the 8th IEEE/ACM International Conference on Grid Compu**
Publisher: IEEE Computer Society
Full text available: [PDF](#) (207 55 KB)
Bibliometrics Downloads (6 Weeks): 2, Downloads (12 Months): 27, Downloads (Overall): 116, Citation Count: 3

Many potential users of grid computing systems have a need to manage large numbers of small files. However, computing and storage grids are generally optimized for the management of large files. As a result, users with small files achieve performance ...

- 17 Boxwood: abstractions as the foundation for storage infrastructure**
John MacCormick, Nick Murphy, Marc Naicri, Chandramohan A. Thekkath, Lidong Zhou
December 2004 **OSDI '04: Proceedings of the 6th conference on Symposium on Operating Systems Design & Implementation - Volume 6** , Volume 6
Publisher: USENIX Association

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: ...

Writers of complex storage applications such as distributed file systems and databases are faced with the challenges of building complex abstractions over simple storage devices like disks. These challenges are exacerbated due to the additional requirements ...

18 An overview of the HDFS technology suite and its applications

 Mike Fosk, Qaqd Haque, Quincy Koziol, Senna Poujoulat, Dana Robinson
March 2011 AD '11: Proceedings of the EDBT/ICDT 2011 Workshop on Array Databases

Publisher: ACM  [Proceedings](#)

Full text available  PDF (1.66 MB)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 13, Downloads (Overall): 13, Citation Count: 0

In this paper, we give an overview of the HDFS technology suite and some of its applications. We discuss the H data model, the HDFS software architecture and some of its performance enhancing capabilities.

Keywords: HDFS, data management, data models, databases

19 SPM: System for Password Management

 Michael A. Cooper

September 1995 LISA '95: Proceedings of the 9th USENIX conference on System administration

Publisher: USENIX Association

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: ...

Most UNIX operating systems are not delivered with adequate facilities to address password management in medium to large, heterogeneous environments. The System for Password Management (SPM, pronounced span) provides multiple levels of user verification ...

20 Data management for large-scale scientific computations in high performance distributed systems

 A. Choudhury, M. Kandemir, J. No, G. Memik, X. Shen, W. Liao, H. Nagash, S. More, V. Taylor, R. Thakur, R. Sheu
January 2000 Cluster Computing, Volume 3 Issue 1

Publisher: Kluwer Academic Publishers

Full text available  [Publisher Site](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: ...

With the increasing number of scientific applications manipulating huge amounts of data, effective high-level data management is an increasingly important problem. Unfortunately, so far the solutions to the high-level data management problem ...

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